



What is GSOE?

Garden State Offshore Energy (GSOE) is a joint venture between Deepwater Wind and PSEG Renewable Generation, created to develop and own offshore wind projects serving New Jersey.

Who is Deepwater Wind?

Deepwater Wind is a specialized offshore wind developer owned by D.E. Shaw, First Wind and Ospraie Management.

Who is PSEG Renewable Generation?

PSEG Renewable Generation is a subsidiary Public Service Enterprise Group and an affiliate of PSE&G.

What is the process for developing offshore wind in New Jersey?

GSOE was one of five proposals submitted in response to a request for proposals issued in October 2007 by the New Jersey Office for Clean Energy (established by the Board of Public Utilities).

The State of NJ selected GSOE as their preferred offshore wind farm developer in October 2008. With that backing, GSOE will now begin evaluating wind quality and potential environmental impacts, and begin the permitting process at the state and federal level.

When will the wind farm be running?

GSOE expects that its wind farm will be up and running in 2013. That includes 3 years of development and permitting activities and 2 years of construction.

How is it built?

GSOE uses a unique assembly and logistics methodology which maximizes construction efficiency by assembling components almost entirely on land.

How many jobs can be expected?

Foundations, turbines and towers will be assembled on land and transported to sea via large-scale barges. Assuming a suitable site can be found, turbine assembly and port facilities are expected to be created in New Jersey, creating local green jobs.

Can GSOE's turbines sustain high winds?

Yes. They are designed to operate in winds up to 56 mph, above which they stop, and realign. The machines are designed to withstand a Category 5 Hurricane.

How will electricity enter the grid?

Electric cables will be buried underground through a process called directional drilling. This is no different than electrical lines that run beneath many New Jersey neighborhoods.

Will the structures be visible to air and water traffic?

Yes. While barely visible from land, the turbines will be clearly marked with FAA and navigation lights.

How does wind power fit into New Jersey's energy plans?

NJ's Draft Energy Master Plan includes a goal of developing at least 1000 MW of offshore wind by the year 2020.

Even by conservative estimates, offshore wind is the greatest potential source of in-state supply for renewable energy, with the potential to supply up to at least 50% of the 2020 Renewable Portfolio Standard requirements and constituting 80% of the total in-state supply.

Can GSOE's turbines be seen from shore?

The turbines would be approximately 16 miles off the coast of South Jersey, barely visible from shore, with a minimal impact on the coastal viewshed. Future GSOE projects would be even further from the coast.